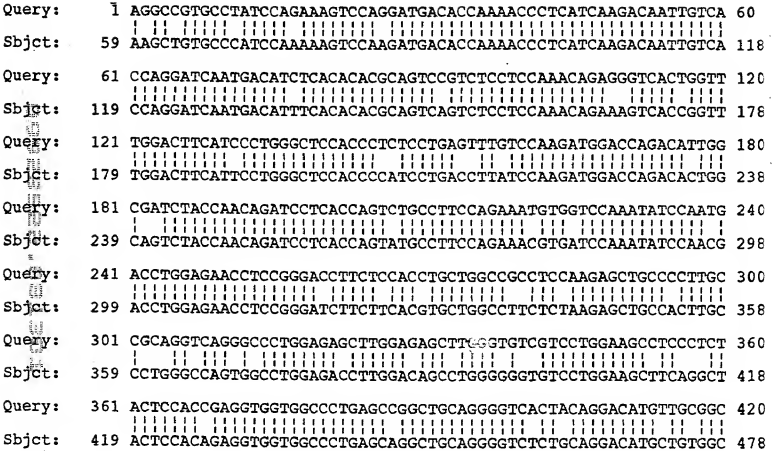
FIGURE 1

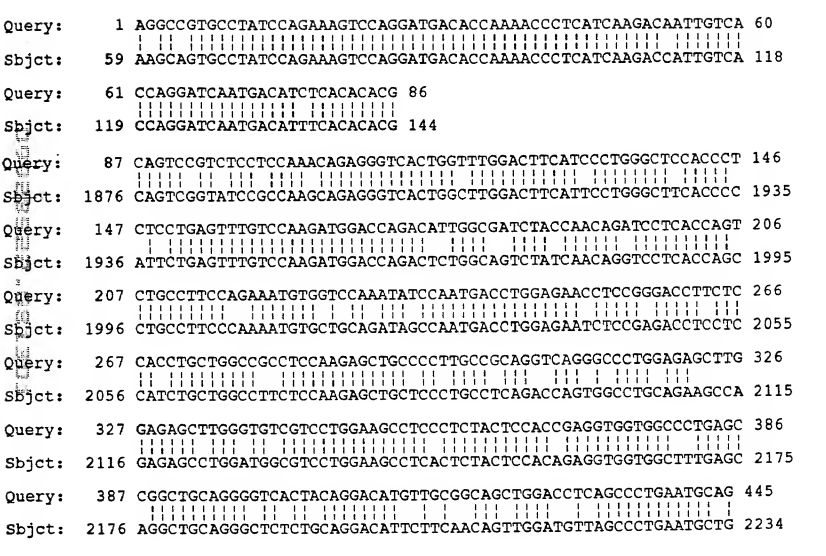
```
AGGCCGTGCC TATCCAGAAA GTCCAGGATG ACACCAAAAC CCTCATCAAG ACAATTGTCA
      V  P    I  Q  K    V  Q  D    D  T  K  T    L  I  K    T  I  V

CCAGGATCAA TGACATCTCA CACACGCAGT CCGTCTCCTC CAAACAGAGG GTCACTGGTT
T  R  I  N    D  I  S    H  T  Q    S  V  S  S    K  Q  R    V  T  G

TGGACTTCAT CCCTGGGCTC CACCCTCTCC TGAGTTTGTC CAAGATGGAC CAGACATTGG
L  D  F  I    P  G  L    H  P  L    L  S  L  S    K  M  D    Q  T  L

CGATCTACCA ACAGATCCTC ACCAGTCTGC CTTCCAGAAA TGTGGTCCAA ATATCCAATG
A  I  Y  Q    Q  I  L    T  S  L    P  S  R  N    V  V  Q    I  S  N

ACCTGGAGAA CCTCCGGGAC CTTCTCCACC TGCTGGCCGC CTCCAAGAGC TGCCCCTTGC
D  L  E  N    L  R  D    L  L  H    L  L  A  A    S  K  S    C  P  L

CGCAGGTCAG GGCCCTGGAG AGCTTGGAGA GCTTGGGTGT CGTCCTGGAA GCCTCCCTCT
P  Q  V  R    A  L  E    S  L  E    S  L  G  V    V  L  E    A  S  L

ACTCCACCGA GGTGGTGGCC CTGAGCCGGC TGCAGGGGTC ACTACAGGAC ATGTTGCGGC
Y  S  E  E    V  V  A    L  S  R    L  Q  G  S    L  Q  D    M  L  R

AGCTGGACCT CAGCCCTGAA TGCAGCGCT
Q  L  D  L    S  P  E    C
```

FIGURE 2A



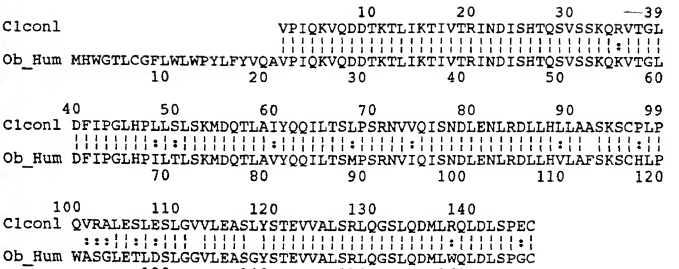
Query = bovine leptin cDNA
Sbjct = human leptin cDNA

FIGURE 2B



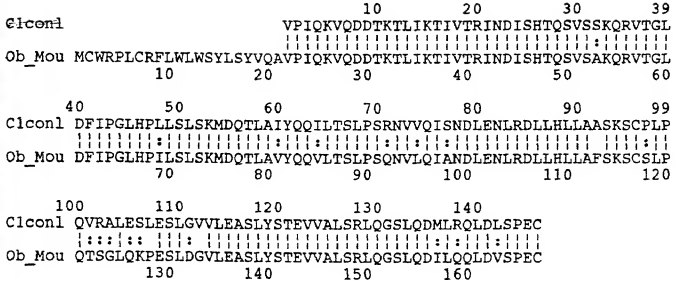
Query = bovine leptin cDNA
Sbjct = murine leptin cDNA

FIGURE 3A



Clconl = predicted bovine leptin amino acid sequence
Ob Hum = human leptin amino acid sequence

FIGURE 3B



Clconl = predicted bovine leptin amino acid sequence
Ob Mou = murine leptin amino acid sequence

FIGURE 4

1 VPIQKVQDDTKTLIKTIVTRINDISHTQSV 30

FIGURE 5A

```
Query:    1  VPIQKVQDDTKTLIKTIVTRINDISHTQSV 30

Sbjct:   22 VPIQKVQDDTKTLIKTIVTRINDISHTQSV 51
```

Query = actual bovine leptin amino acid sequence
Sbjct = human leptin amino acid sequence

FIGURE 5B

```
Query:    1  VPIQKVQDDTKTLIKTIVTRINDISHTQSV 30

Sbjct:   22 VPIQKVQDDTKTLIKTIVTRINDISHTQSV 51
```

Query = actual bovine leptin amino acid sequence
Sbjct = murine leptin amino acid sequence

FIG. 6

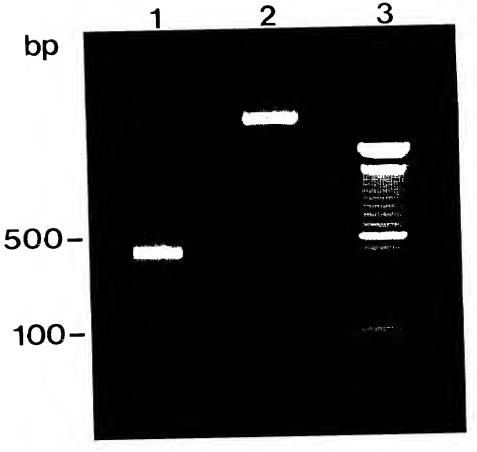


FIG. 7

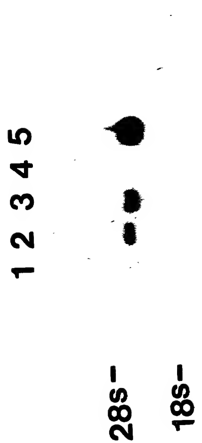


FIG. 8

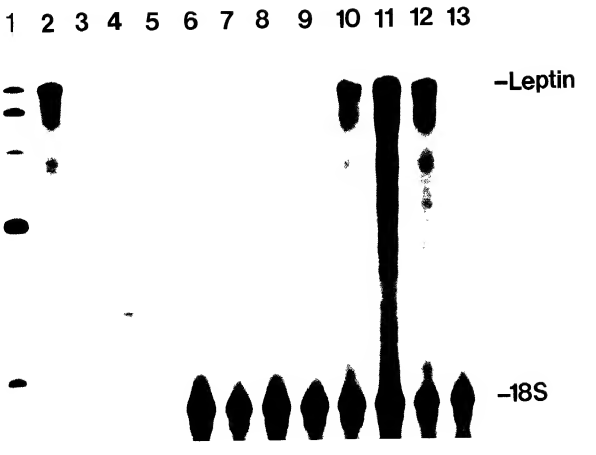


FIG. 9

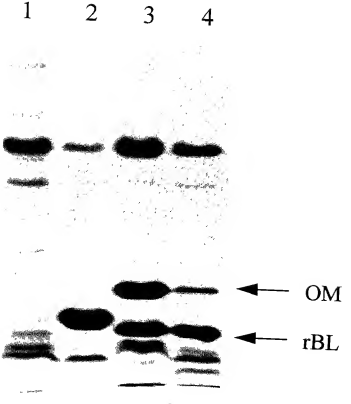


FIG. 10

1
VPIQKVQDDT KTLIKTIVTR INDISHTQSV 40
SSKQRVTGLD

FIPGLHPLLS LSKMDQTLAI YQQILTSLPS 80
RNVVQISNDL

ENLRDLLHLL AASKSCPLPQ VRALESLESL 120
GVVLEASLYS

TEVVALSRLQ GSLQDMLRQL 146
DLSPEC

FIG. 11A

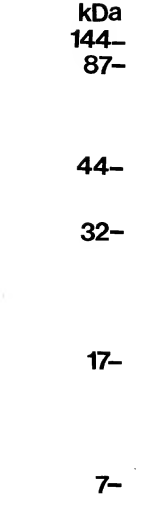


FIG. 11B

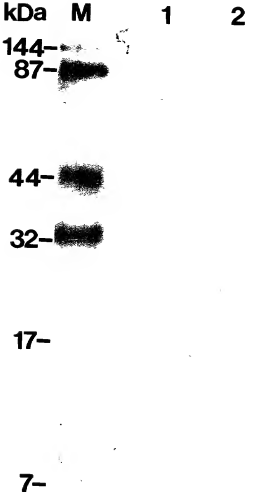


FIG. 12A

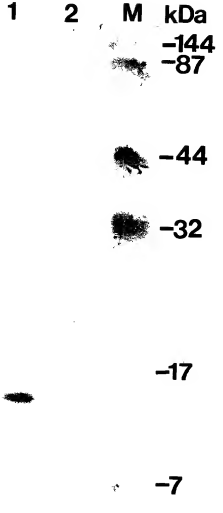


FIG. 12B